BRUHAT BANGALORE MAHANAGAR PALIKE

Project Division, Yelahanka Zone

SCHEDULE - B

Providing Water Supply UGD and Other Developmental works to Allalasandra Swimming Pool in Ward No.04

SNo	Quantity	Item Name	Unit	Approved Rates quoted by D K NAGARAJA (D K N AND ASSOCIATES)	
				In figures	In words
1	2.00	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., including all lead and lift complete as per the direction of engineer in charge	Each	2000.00	Rupees Two Thousand Only
2	100.00	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) including all lead and lift complete as per the direction of engineer in charge 0 to 50m	Rmtr	350.00	Rupees Three Hundred Fifty Only
3	100.00	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) including all lead and lift complete as per the direction of engineer in charge 50 to 100m	Rmtr	475.00	Rupees Four Hundred Seventy Five Only
4	100.00	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) including all lead and lift complete as per the direction of engineer in charge 100 to 150	Rmtr	600.00	Rupees Six Hundred Only

Contractor

Executive Engineer
Project Division
Yelahanka Zone
13/12/15

	Quantity	Item Name	Unit	Approved Rates quoted by D K NAGARAJA (D K N AND ASSOCIATES)	
				In figures	In words
5	100.00	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) including all lead and lift complete as per the direction of engineer in charge 150 to 200	Rmtr	600.00	Rupees Six Hundred Only
6	100.00	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) including all lead and lift complete as per the direction of engineer in charge 200 to 250m	Rmtr	620.00	Rupees Six Hundred Twenty Only
7	100.00	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) including all lead and lift complete as per the direction of engineer in charge 250 to 300m	Rmtr	620.00	Rupees Six Hundred Twenty Only
8	60.00	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) including all lead and lift complete as per the direction of engineer in charge)	Rmtr	1500.00	Rupees One Thousand Five Hundred Only
9	12.00	Providing 250mm dia PVC Pipe 6kg/cm including all lead and lift complete as per the direction of engineer in charge	Rmtr	1100.00	Rupees One Thousand One Hundred Only
10	2.00	Providing and fixing 175mm Borewell Cap including all lead and lift complete as per the direction of engineer in charge	Nos	110.00	Rupees One Hundred Ten Only
11	2.00	Supply of submersible Three phase pumps 5HP 15Stage	Each	35000.00	Rupees Thirty Five Thousand Only
12	500.00	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 46/ I No. 30-B 4.0 Sqm mm of 36 strands 0.3mm dia Group - A KPWD Electrical SR 2007-08 3/2008-09 4538/19.01.2009 (1x3x4.00 Sqmm PVC cable including all lead and lift complete as per the direction of engineer in charge	Rmtr	160.00	Rupees One Hundred Sixty Only

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				In figures	In words
13	2.00	Erection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair supporting clamps, one borewell cap. Cable clips with bolts, nuts, valves guages etc., involoved in the job (Necessary and specials with be supplied by the board at the site free of cost) including all lead and lift complete as per the direction of engineer in charge	Rmtr	2200.00	Rupees Two Thousand Two Hundred Only
14	2.00	Providing and fixing in position 50mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13-7.1- 4 including all lead and lift complete as per the direction of engineer in charge	Each	2000.00	Rupees Two Thousand Only
15	4.00	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete.	Each	300.00	Rupees Three Hundred Only
16	450.00	Providing and fixing Polyethene-Aluminium-Polyethene(PE-AL-PE)Composite Pressure Pipes confirming to 15450 duly ISI marked UV stabilized with carbon black for hot and cold water suppley,capable to with stand temperature upto 80°C including all special composite fittings (engineering plastic blend and brass inserts wherever required)eg ;elbows,tees,reducers,couplers,and connectionetc with tranching and refilling upto 1.00meter depth including testing complete as required 4050 50mm OD pipe	Rmtr	620.00	Rupees Six Hundred Twenty Only
17	111.00	Providing & fixing Chorinated Poly Venyl(CPVC) pipes confirming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling and testing of joints complete.(Burried). including all lead and lift complete as per the direction of engineer in charge 40mmm Dia	Rmtr	350.00	Rupees Three Hundred Fifty Only
18	14397.06	Fabrication supply an erecting MS tubular trusses of all spans as per approved drawing and design with prefabricated Steele applications quality material and are durable, reliable and corrosion and abrasion resistant . Welding shall confirm to latest structural welding code.quality shall be various parameters like shape size design gauge polish . The entire trusses is anchored in RCc column by using 4 no of MS anchor bolts at each support with 10mm thick Base plate and shoe plate . The work includes cutting, straightening placing in position of MS pipes and welding wherever necessary and applying one coat of redoxide primers coat to all the members including all the cost of all materials labor charges and hire charges of machinery for cutting welding grinding and erection equipments with all lead and lift , transportation etc complete as per specifications	Kgs	126.00	Rupees One Hundred Twenty Six Only

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	Quantity	Item Name	Unit	Approved Rates quoted by D K NAGARAJA (D K N AND ASSOCIATES)	
				In figures	In words
19	312.00	Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses. with all lead and lift and directions of the Engineer-In-charge of the work	Sqm	750.00	Rupees Seven Hundred Fifty Only
20	394.54	Providing Skirting, Dadoing, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over roughj plaster surface (excluding cost of rough plastered surface which should be measured and paid separetely) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. 15x15 cms 6mm thick including all lead and lift complete as per the direction of engineer in charge.item no14.41.1 page no 108 PWD SR 2018-19	Sqm	1500.00	Rupees One Thousand Five Hundred Only
21	18.00	Providing, fabricating, assembling and fixing in position aluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505kg/m, top section 47.62x44.45mm thickness 3.00mm, section weight 1.426kg/m bottom section 114.3x44.45 thickness 3.18mm, section weight 2.646kg/m, door central section 49.91x44.45mm thickness 3.00mm, section weight 1.495 kg/m glazing clips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m; aluminium sections cut to length joint metred cornersgrinded, the shutters pivoted opening arrangement with heavy duty aluminium alloy automatic door closures floor mounted, providing and fixing standard approved accessories, such as aluminium handle for full width or length, tower bolts, lock, pivots: P.V.C. or rubber gasket with 5.5m. thick plain glass for top and bottom panel; aluminium sections treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherance of mortars or any other sticky materials; the assembled frame fitted with the corner angles, strips and fitted with screws, rawl plugs or teakwood gutties to R.C.C. columns or masonry on sides. beams and flooring in bottom. including cutting, chistling and making good with cement mortar to match the surface; all the frames throughly cleaned free from rust, scale, or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality.	Sqm	6900.00	Rupees Six Thousand Nine Hundred Only

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13/14/19

	Quantity	Item Name	Unit	Approved Rates quoted by D K NAGARAJA (D K N AND ASSOCIATES)	
				In figures	In words
22	204.00	Providing, fabricating, assembling and fixing in position aluminium partitions using sections in combination of plain, single grove and double grove as per requirements for the frames of overall size 101.6mm x 44.45mm, 3.18mm.thick having section weight, plain sections 2.40kg/m single grove section 2.541kg/m. and double grovesection 2.683 kg/m and bottom 46 kg/m; aluminium louvres of size 77.6mmx27.6mm 1.7mm. thick section weight 0.483kg/m; bottom portions provided with 12mm. thick prelaminated sheet both side of approved colour lamination exterior grade; aluminium sections of mat finish or glossy finish using section, spacing of vertical member shall not exceed 0.6 m. c to c; sections are cut to the required lengths, joints mitered and corners grinded subdividing frames tennoned and rivetted to the frames, the assembled frame should be stiffened with corner angles stripped and fixed with screws, rawl plugs and teak wood gutties to R.C.C.columns or masonry on sides, R.C.C. lintels or beams at top and floor at bottom, including cutting chistling and making good with cement mortar to match the surface, providing and fixing bottom panel filled with the materials to a height of 0.9m. from floor level; and 5.5mm. thick plain glass for middle portion viz., 0.9m. to 2.13 m. and top panel with lower sections, the glass and panels fitted with glazing clips of 19mmx17.3mm. with thickness of 0.9mm. weight 0.124kg/m; aluminium sections pre-treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherence of mortars or any other sticky materials; vertical members embedded in the flooring by making suitable size holes and fixing with cement mortar, with necessary opening for fixing of doors of standard size (excluding cost of door opening) All the frame should be throughly cleaned free from rust, scale or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications. using aluminium section Powdered coated to 60 - 70 microns.	Sqm	5120.00	Rupees Five Thousand One Hundred Twenty Only

Executive Engineer 13/12/19
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Contractor

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